

S E R V I C E N O T E

SUPERSEDES: None

PRELIMINARY SERVICE NOTE

**HP 8568B Spectrum Analyzer  
HP 85680B RF Section  
HP 85662A IF Display Section**

**Serial Numbers:** 85680B RF Sections 0000A00000 / 2928A04878  
85662A IF Display Sections 0000A00000 / 2848A18429

**NEW COOLING FANS FOR THE 8568B SPECTRUM ANALYZER**

**Situation:**

The R&D Bench product line has switched to a new fan supplier. The "old" fans are no longer available.

The 85680B has received a new 50-60 Hz fan and a new 400 Hz fan, both of which require a different mounting system than the fans they replaced. The latest fan assemblies are also fitted with lint filters. The fan housing on the 85680B is 50.8mm (2.0 in) longer and 12.0mm (0.5in) wider than the housing it replaces. As a result of this change, early model HSWP adapters used with the 85685A RF Preselector can no longer be connected to the instrument bus connector. A new W31 Instrument Bus Interconnect cable (HP part number 85662-60220) with an integral HSWP jack is available to replace the HSWP adapter. The W31 cable offers greater reliability than the HSWP adapter.

The 85662A also has a new 50-60 Hz fan. Although the size of the fan housing has not changed to accommodate the latest fan, the mounting system did change. The 400 Hz fan and existing 400 Hz mounting system remains unchanged. *Continued*

DATE: 26 September 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>INFORMATION ONLY</b>		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
BS	5300	

**Solution / Action:**

Old style direct replacement fans will become unavailable when our stock is depleted. Fan kits have been set up for use when replacing fans in instruments with serial numbers listed above. Each fan kit includes a complete fan assembly which can be installed in minutes and does not require rear panel modification or lower level assembly. Fan Installation Note HP part number 5958-7177 is included in the kit.

**The following is a list of fan replacement kits:****For IIP 85680B instruments with serial numbers 2928A04878 and below:**

- Order 85660-60358 for the 50-60 Hz fan kit.
- Order 85660-60359 for the 400 Hz fan kit.

**For IIP 85662A instruments with serial numbers 2848A18429 and below:**

- Order 85662-60243 for the 50-60 Hz fan kit. If the 400 Hz fan needs replacement, order only the raw fan (HP part number 3160-0298). This is the same fan we have been using for years in the 85662A 400 Hz application.
- Instruments which require fan replacement and already contain the latest fan can be repaired by either ordering the replacement fan, or the fan kit listed above.
- The 50-60 Hz replacement fan for the 85662A is HP part number 85662-60219. Included is a wired fan with mounting inserts and heat shrink covered connection terminals installed.
- The 50-60 Hz replacement fan for the 85680B (and 85680A, 85670A, 85660A/B) is HP part number 85660-60387. Included is a wired fan with an EMI shield and heat shrink covered connection terminals installed.
- The 400 Hz replacement fan for the 85680B (and 85680A, 85670A, 85660A/B) is a raw fan. The HP part number is 3160-0087.